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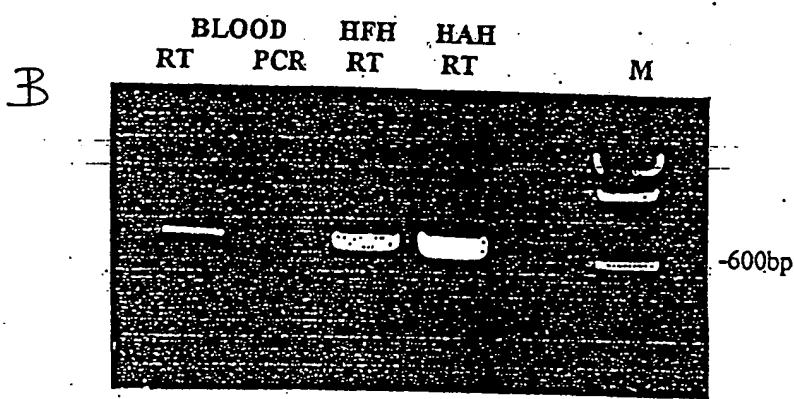
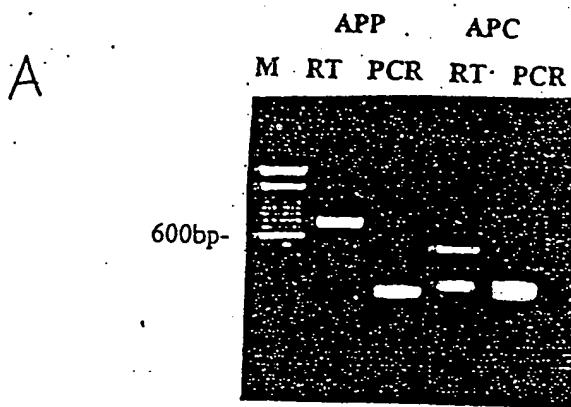


FIGURE 1

1    2    3    4    5    6    7    8

FIGURE 2

1 2 3 4

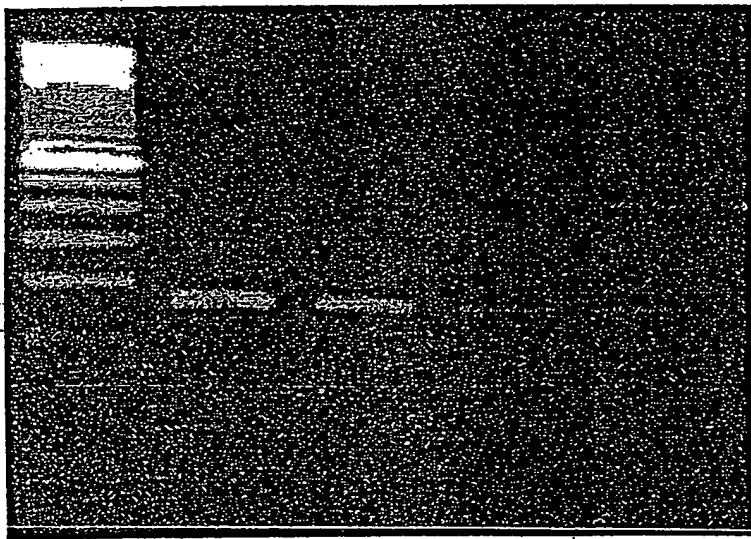
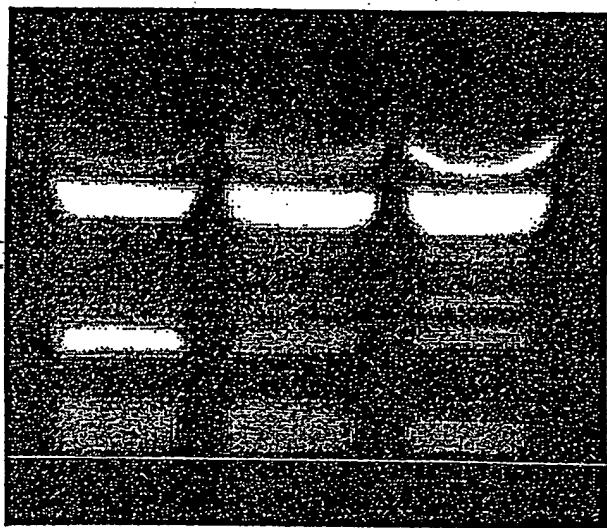


FIGURE 3

1      2      3



ZFP  
GADH

INS

FIGURE 4

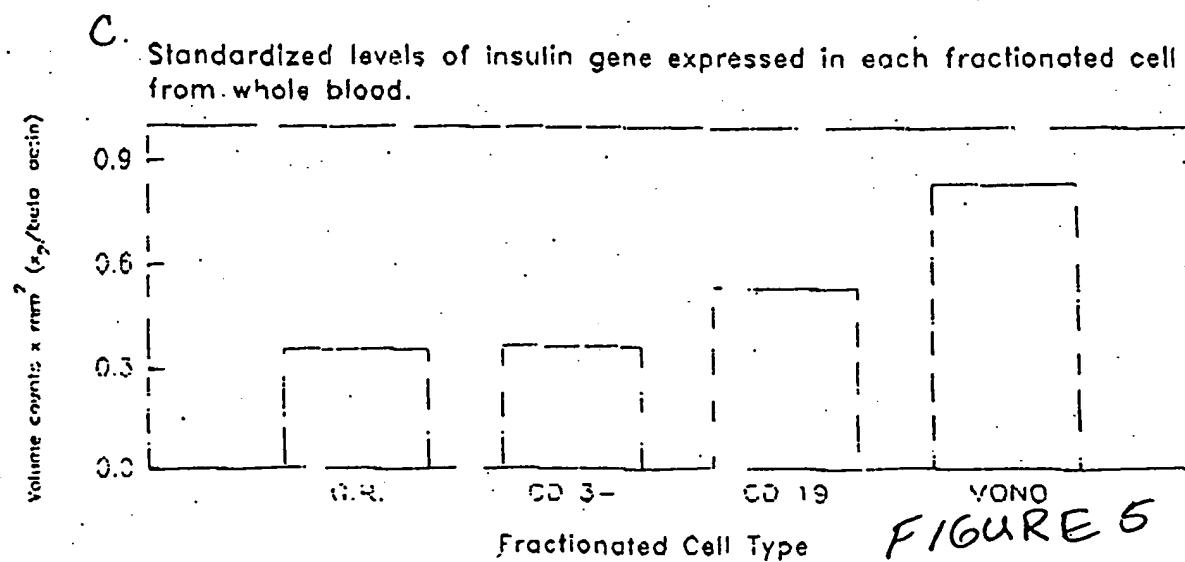
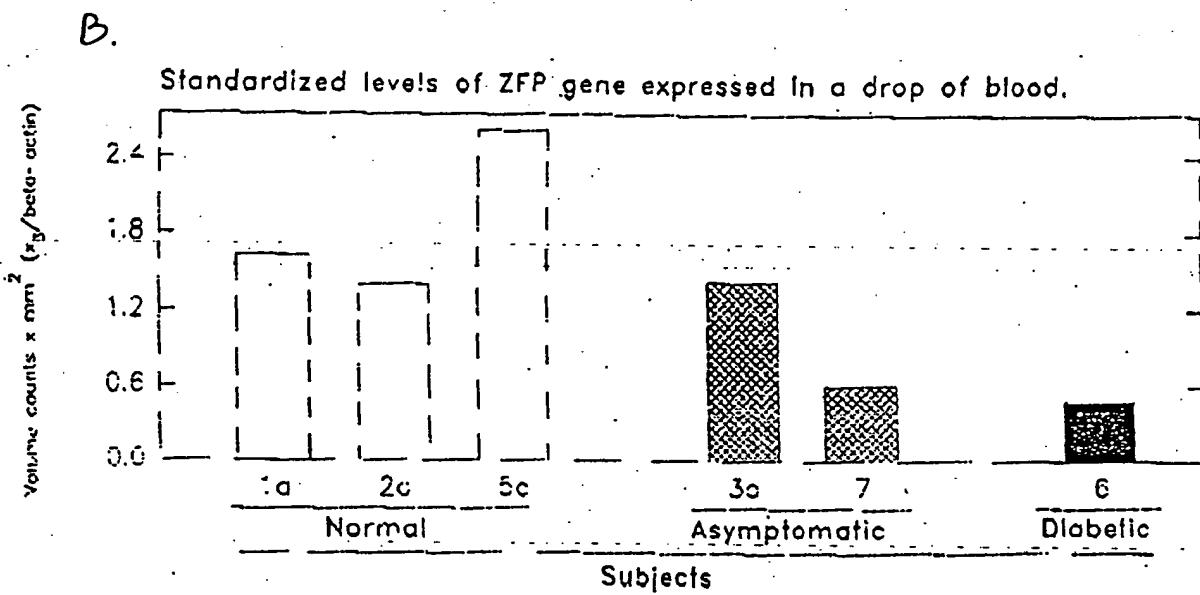
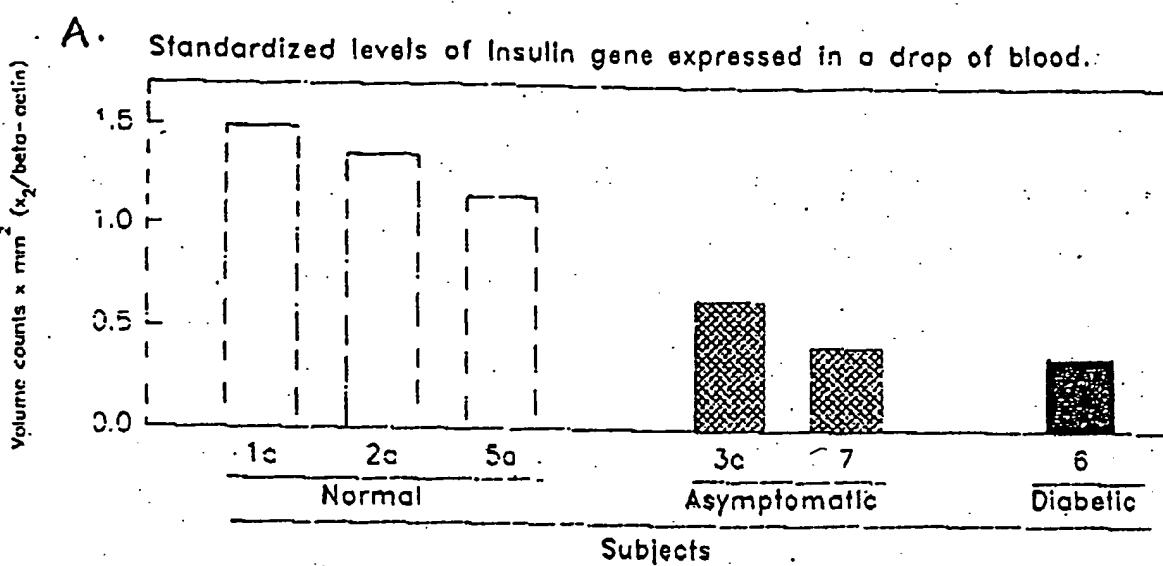
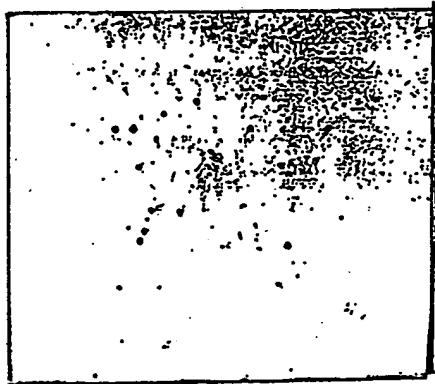


FIGURE 5

A



B

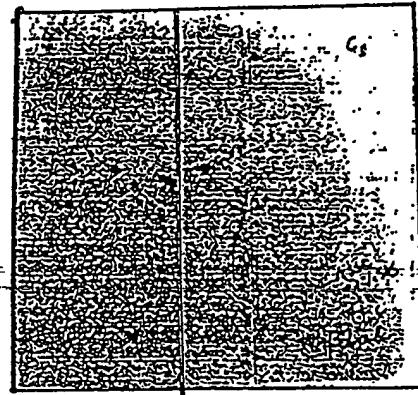
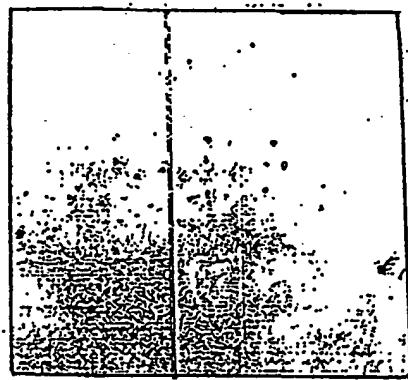


FIGURE 6

Total :13, 283 ESTs  
Known: 6,283  
Mitochondrial: 405  
Ribosome: 498  
Repeat: 868  
Mis.: 156  
Novel: 2,718

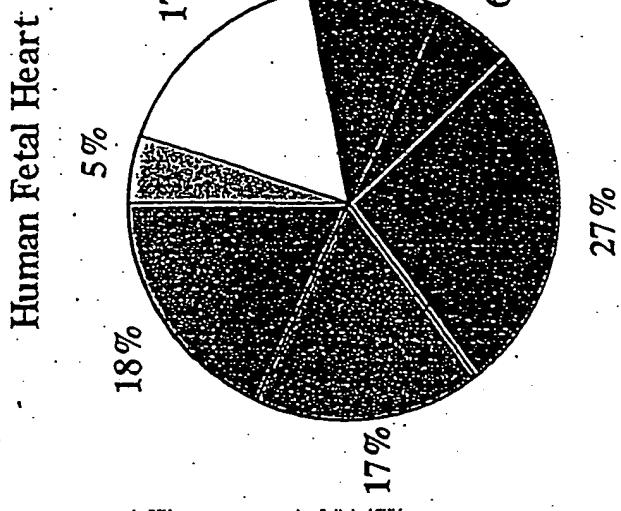
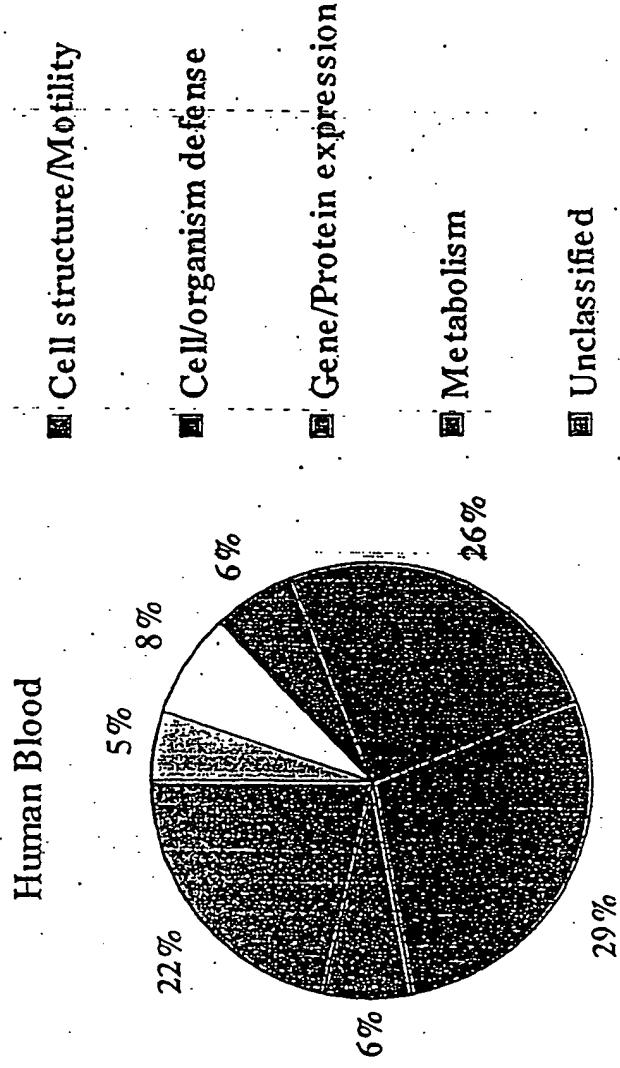
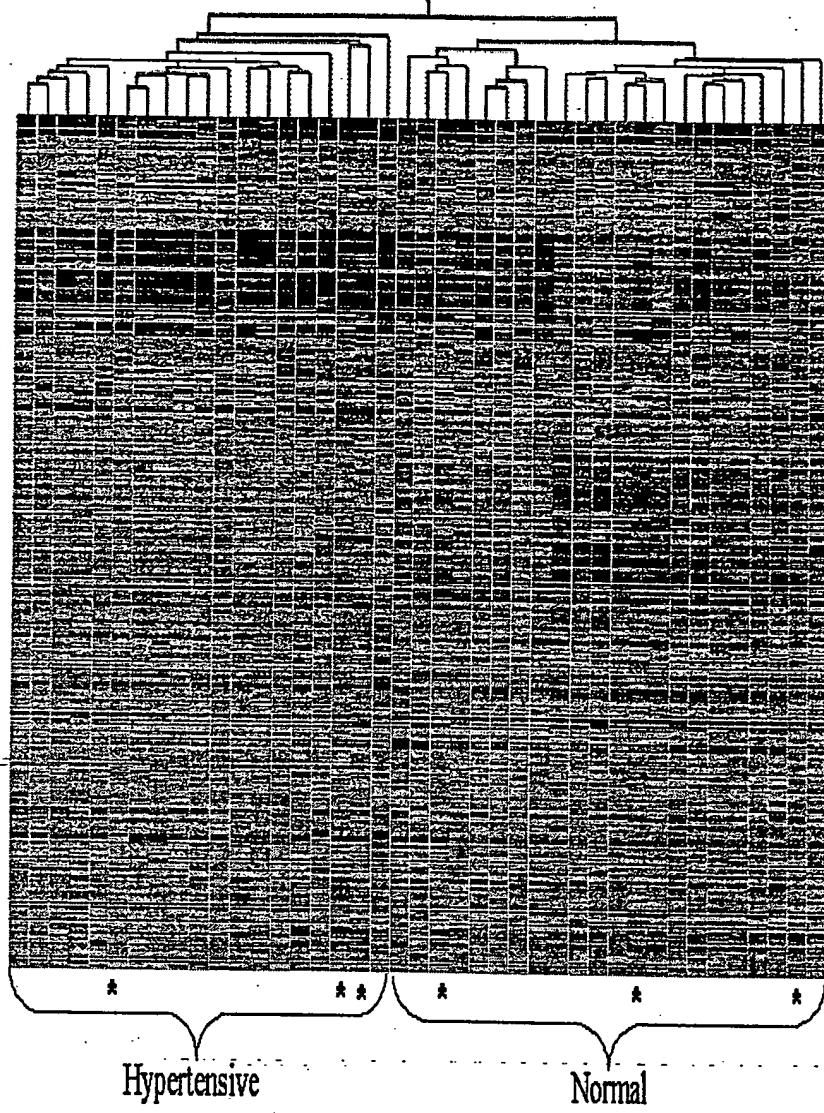


FIGURE 7

Figure 8

Hypertension



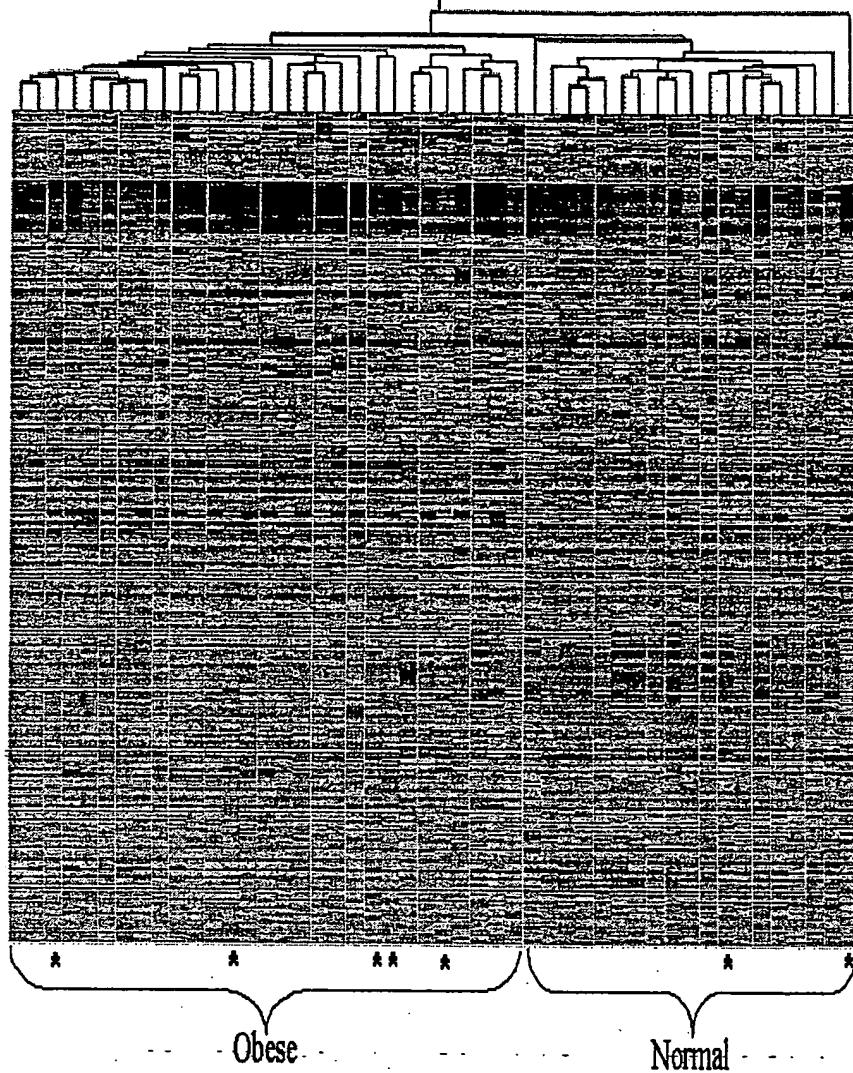
Hypertensive: 19

Normal: 22

Differentially Expressed Genes ( $p < 0.05$ ): 861

Figure 9

Obesity



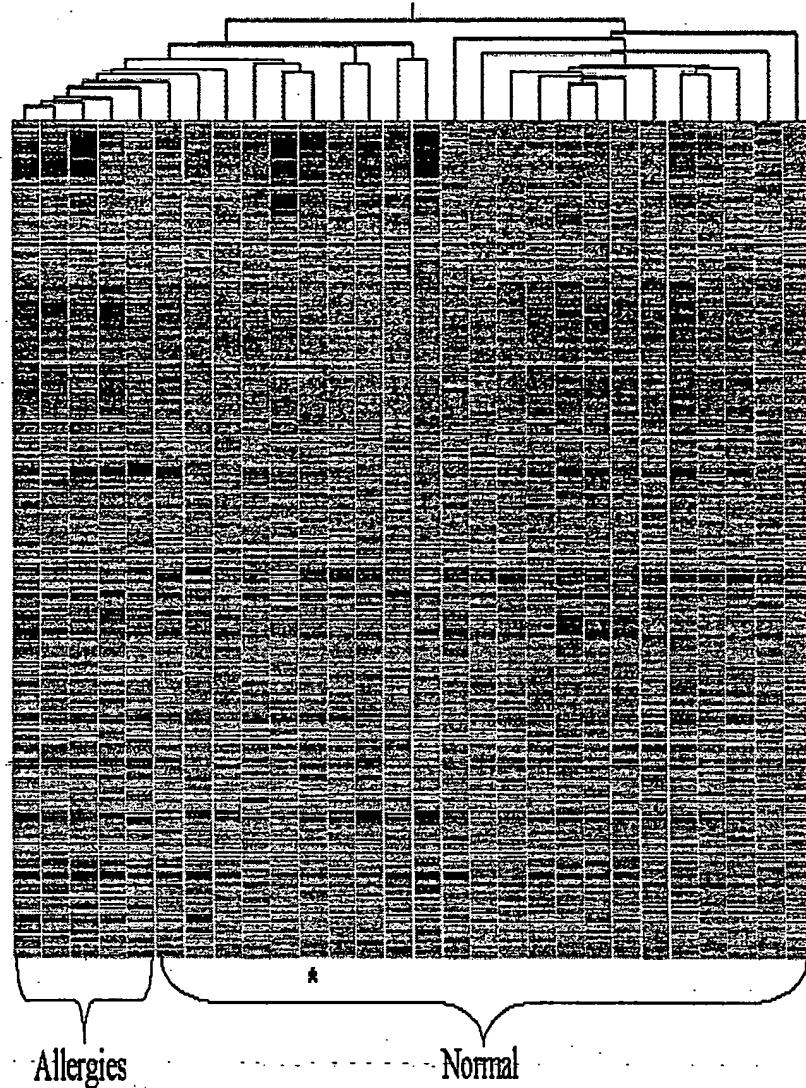
Obese: 25

Normal: 22

Differentially Expressed Genes ( $p < 0.05$ ): 913

Figure 10

Allergies



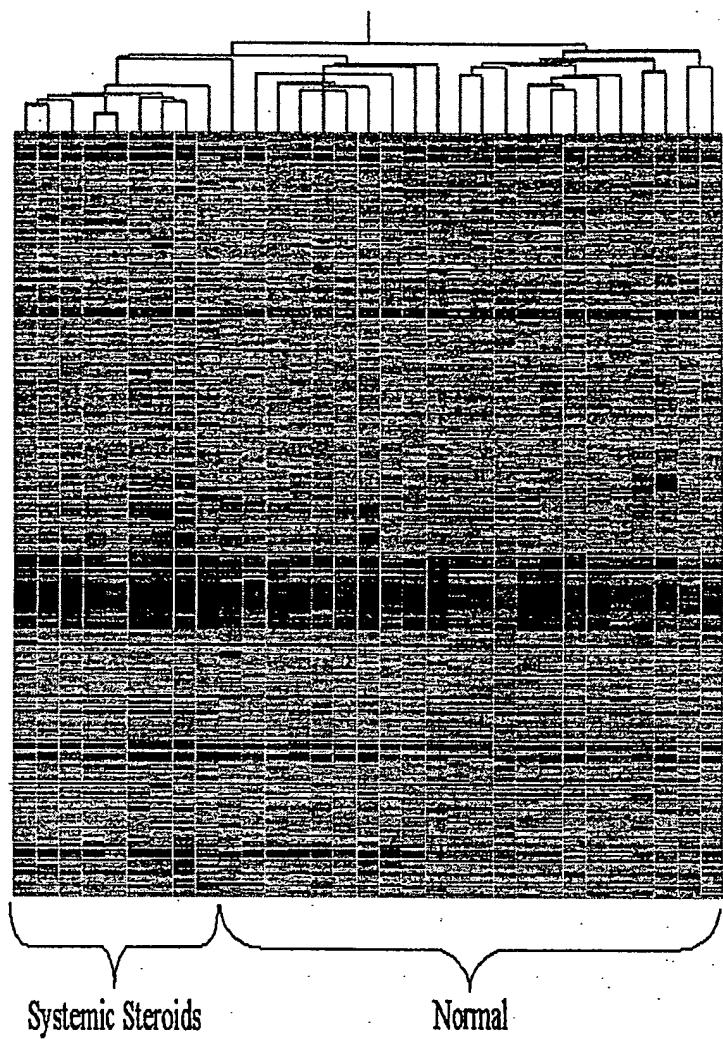
Allergies: 6

Normal: 22

Differentially Expressed Genes ( $p < 0.05$ ): 633

Figure 11

Systemic  
Steroids



Systemic Steroids

Normal

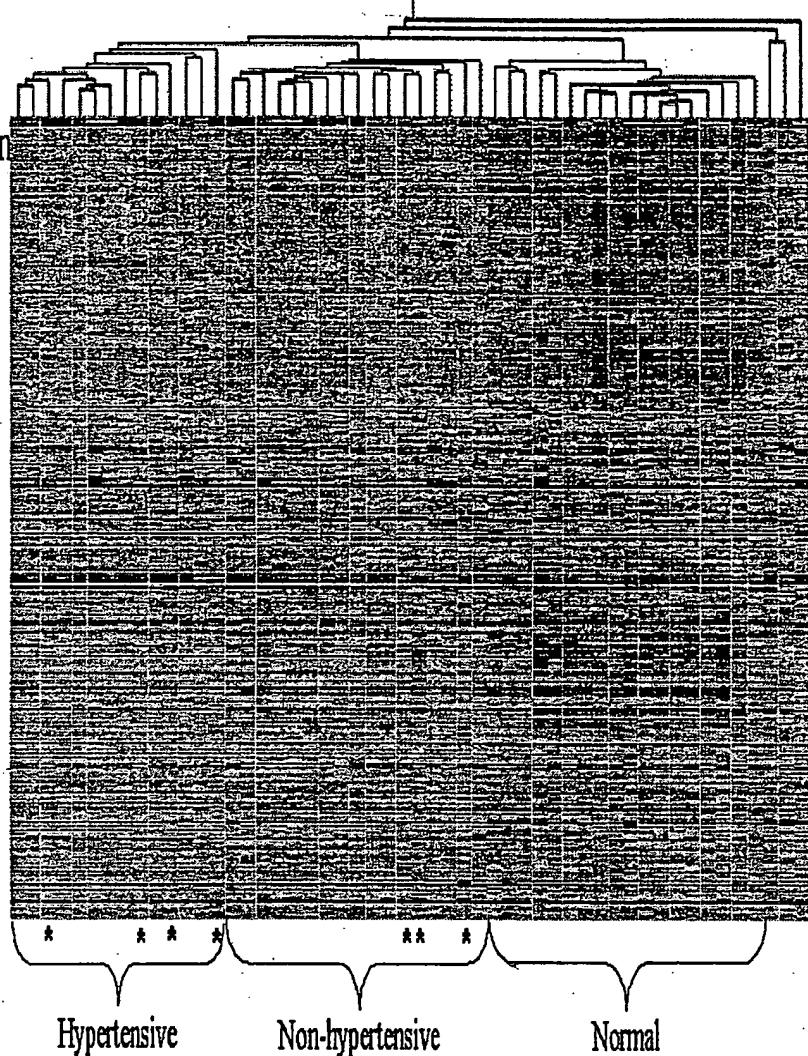
Systemic Steroids: 9

Normal: 22

Differentially Expressed Genes ( $p < 0.05$ ): 605

Figure 12

Hypertension



Hypertensive: 10

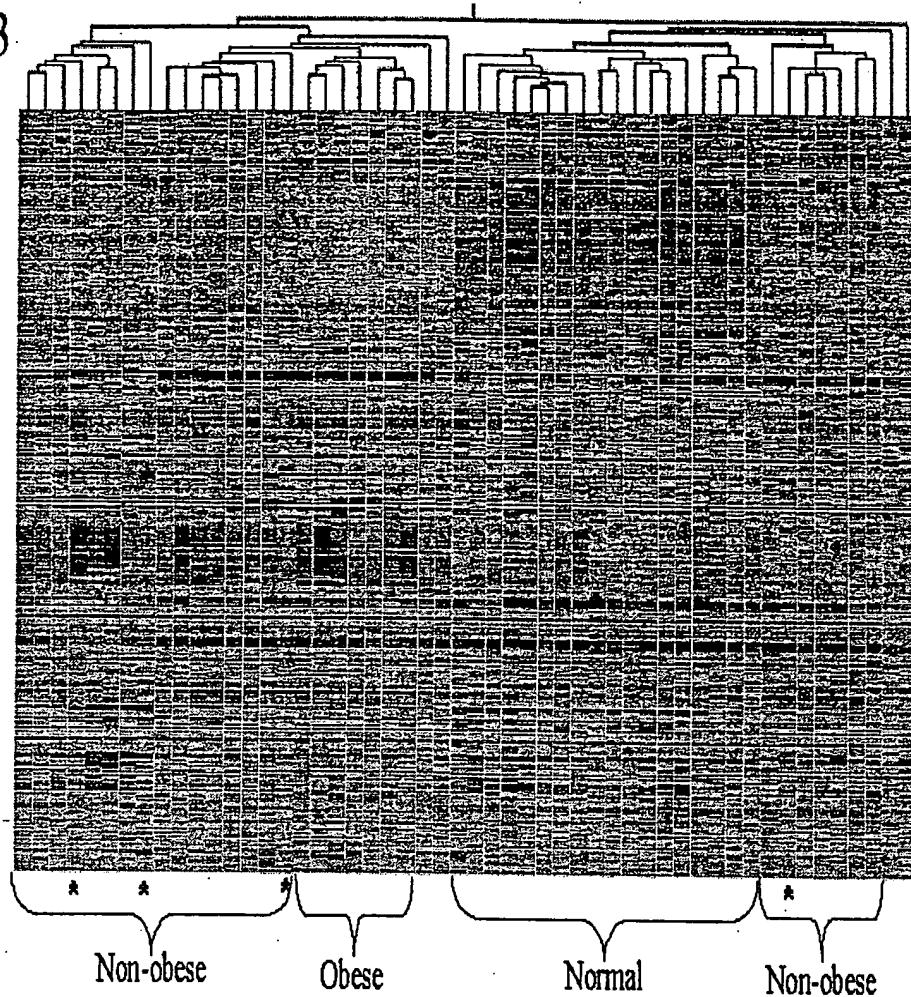
Non-hypertensive: 18

Normal: 24

Differentially Expressed Genes ( $p < 0.05$ ): 1,993

Figure 13

Obesity



Obese: 8

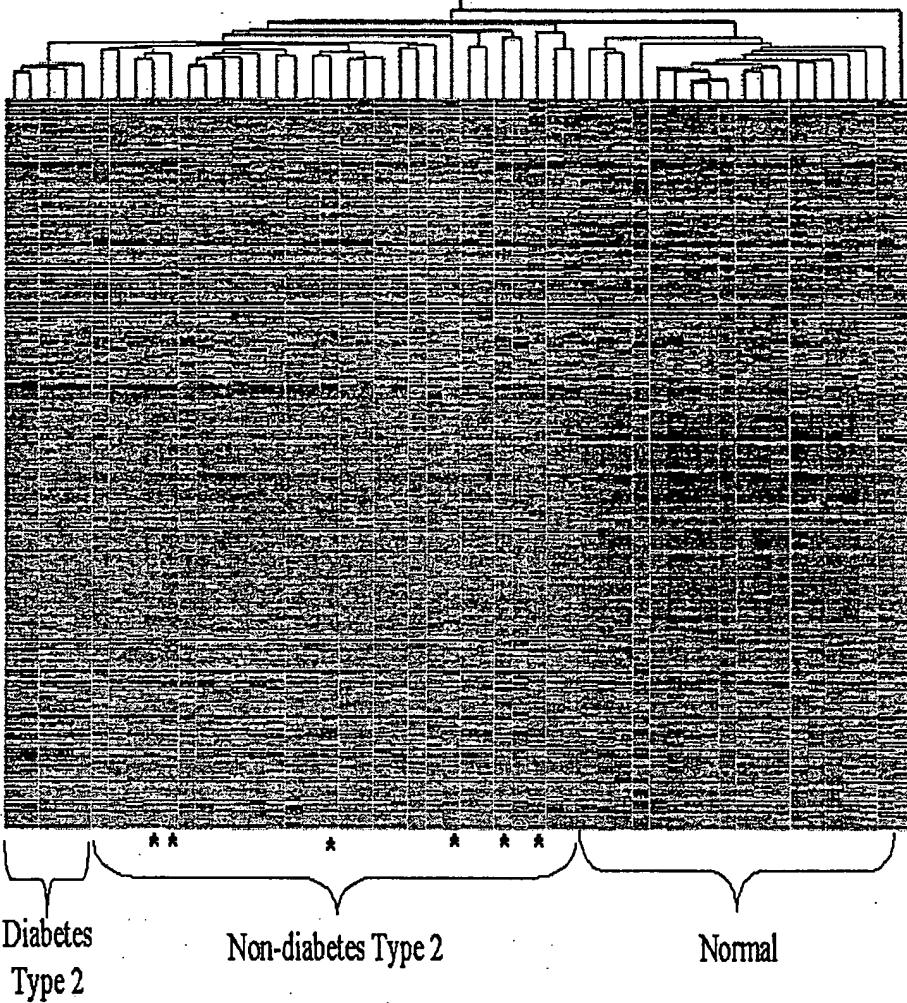
Non-obese: 20

Normal: 24

Differentially Expressed Genes ( $p < 0.05$ ): 1,147

Figure 14

Diabetes  
Type 2



Diabetes  
Type 2

Non-diabetes Type 2

Normal

Diabetes Type 2: 5

Non-diabetes Type 2: 23

Normal: 24

Differentially Expressed Genes ( $p < 0.05$ ): 915

Figure 15

Hyperlipidemia

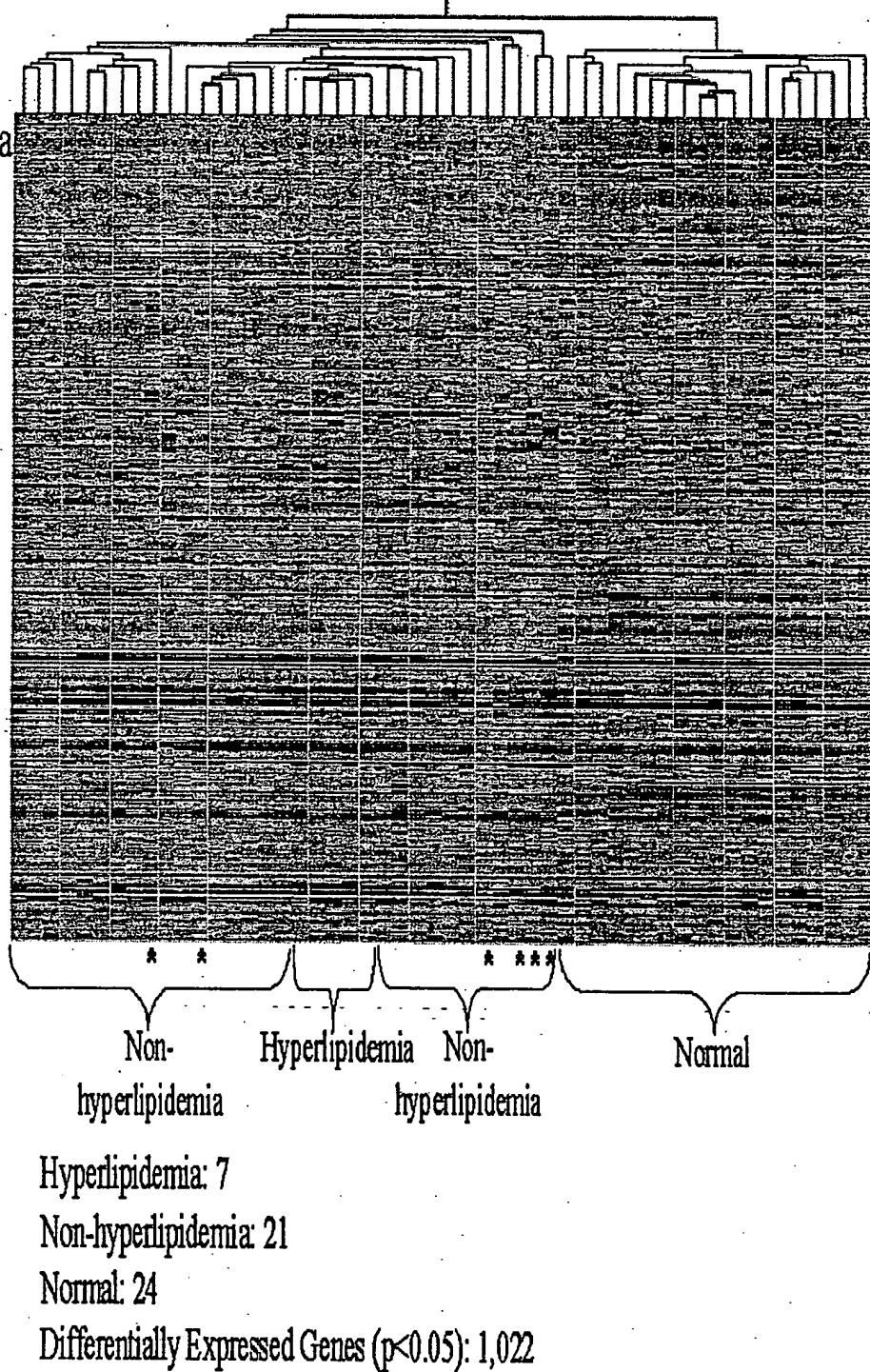
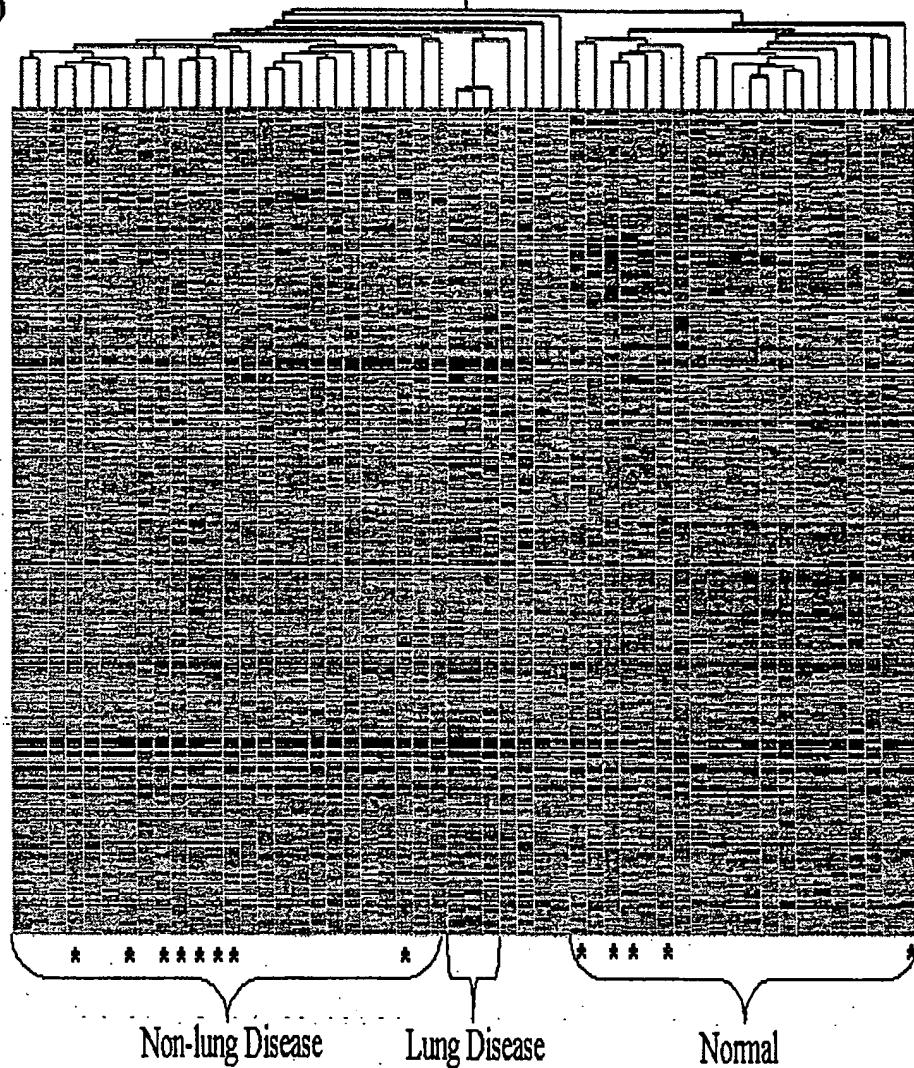


Figure 16

Lung  
Disease



Lung Disease: 3

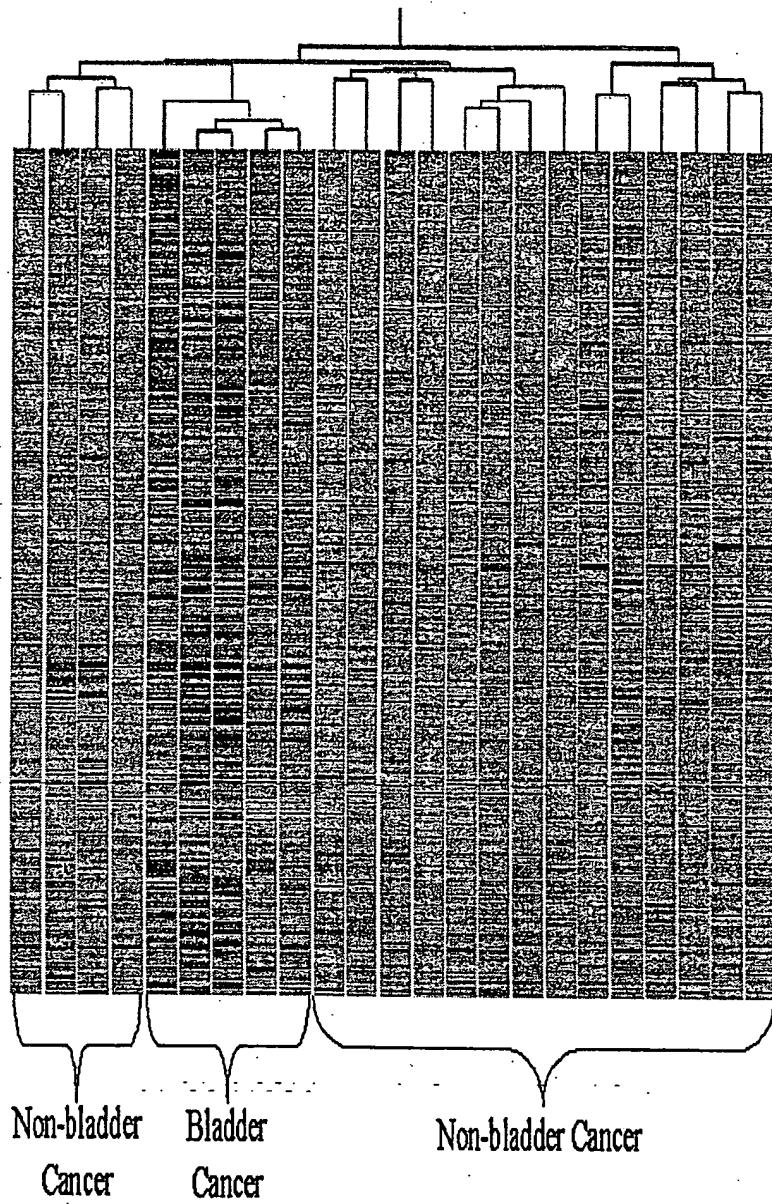
Non-lung Disease: 25

Normal: 24

Differentially Expressed Genes ( $p < 0.05$ ): 596

Figure 17

Bladder  
Cancer



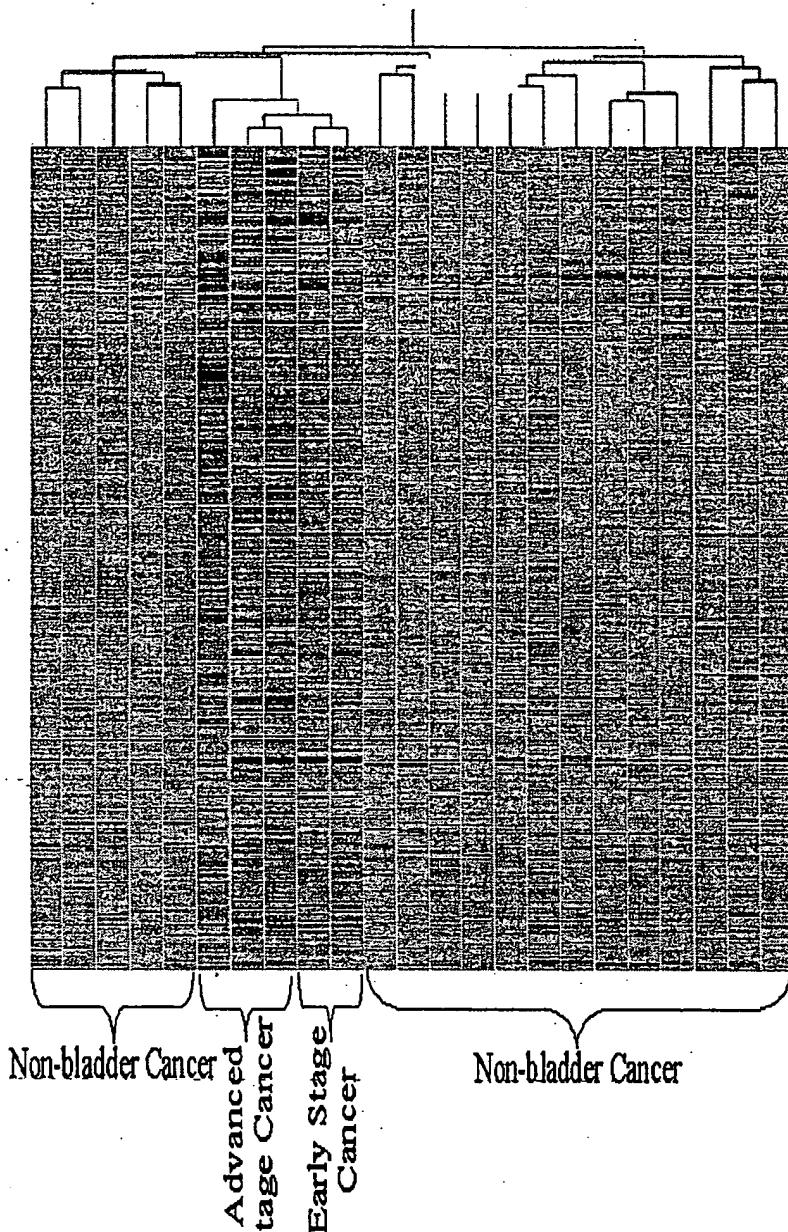
Bladder Cancer: 5

Non-bladder Cancer: 18

Differentially Expressed Genes ( $p < 0.05$ ): 4,228

Figure 18

Bladder  
Cancer



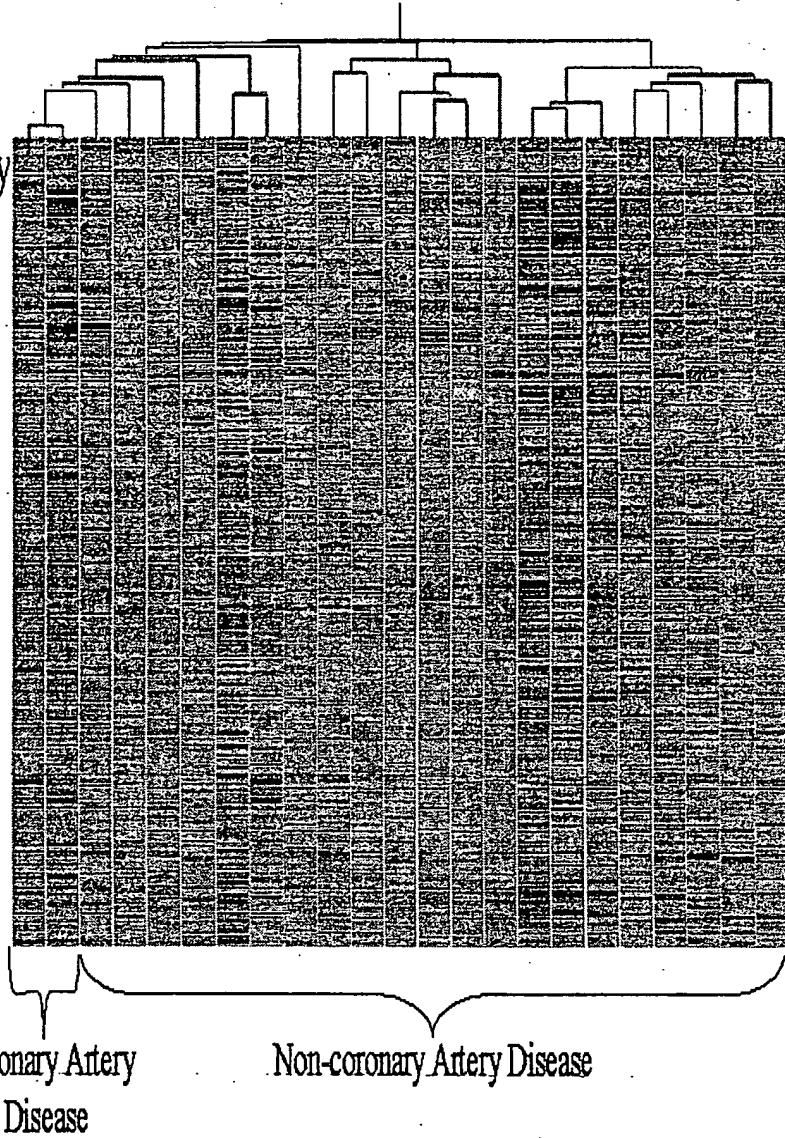
Bladder Cancer: 3 advanced stage, 2 early stage

Non-bladder Cancer: 18

Differentially Expressed Genes ( $p < 0.05$ ): 3,518

Figure 19

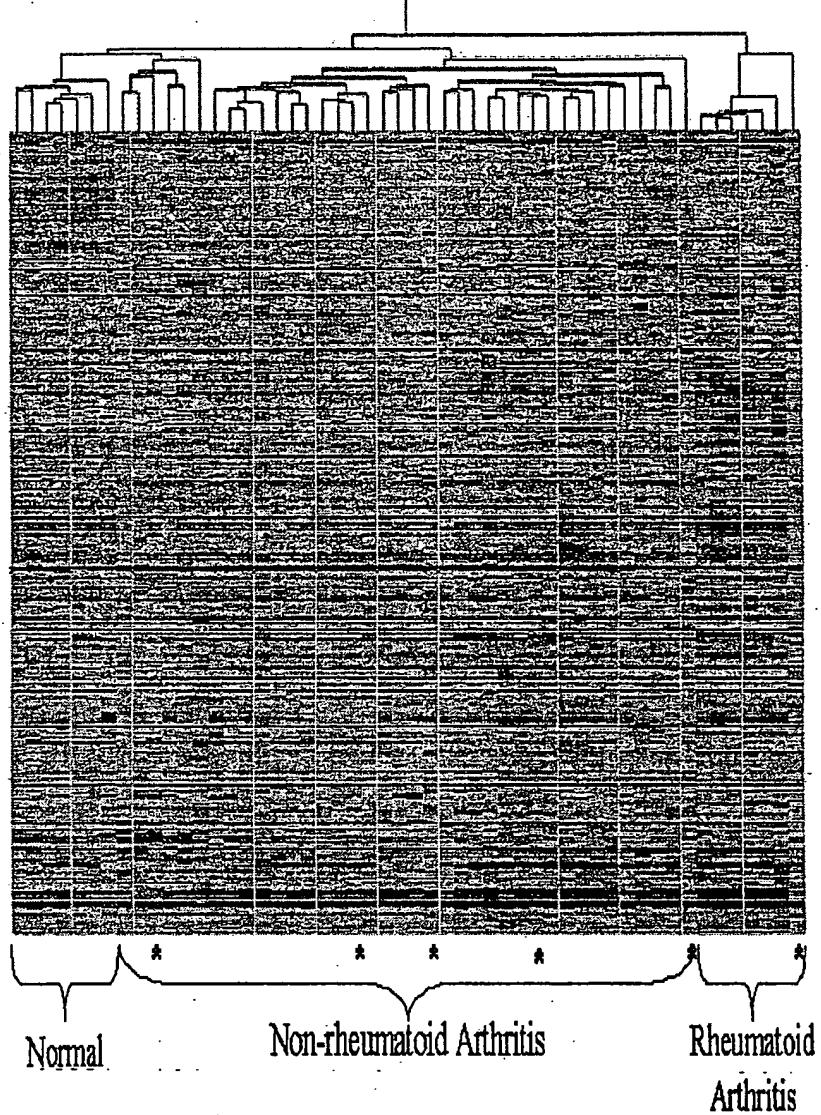
Coronary Artery  
Disease



Coronary Artery Disease: 2  
Non-coronary Artery Disease: 21  
Differentially Expressed Genes ( $p < 0.05$ ): 967

Figure 20

Rheumatoid  
Arthritis



Rheumatoid Arthritis: 6

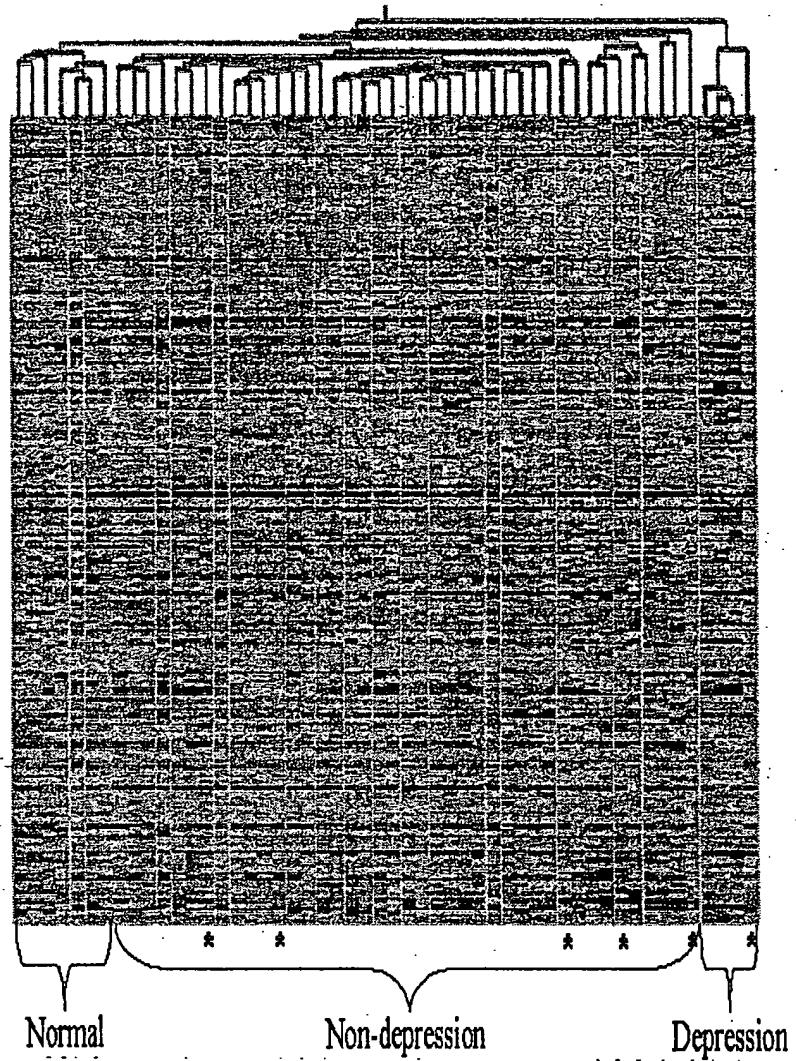
Non-rheumatoid Arthritis: 34

Normal: 12

Differentially Expressed Genes ( $p < 0.05$ ): 2,068

Figure 21

Depression



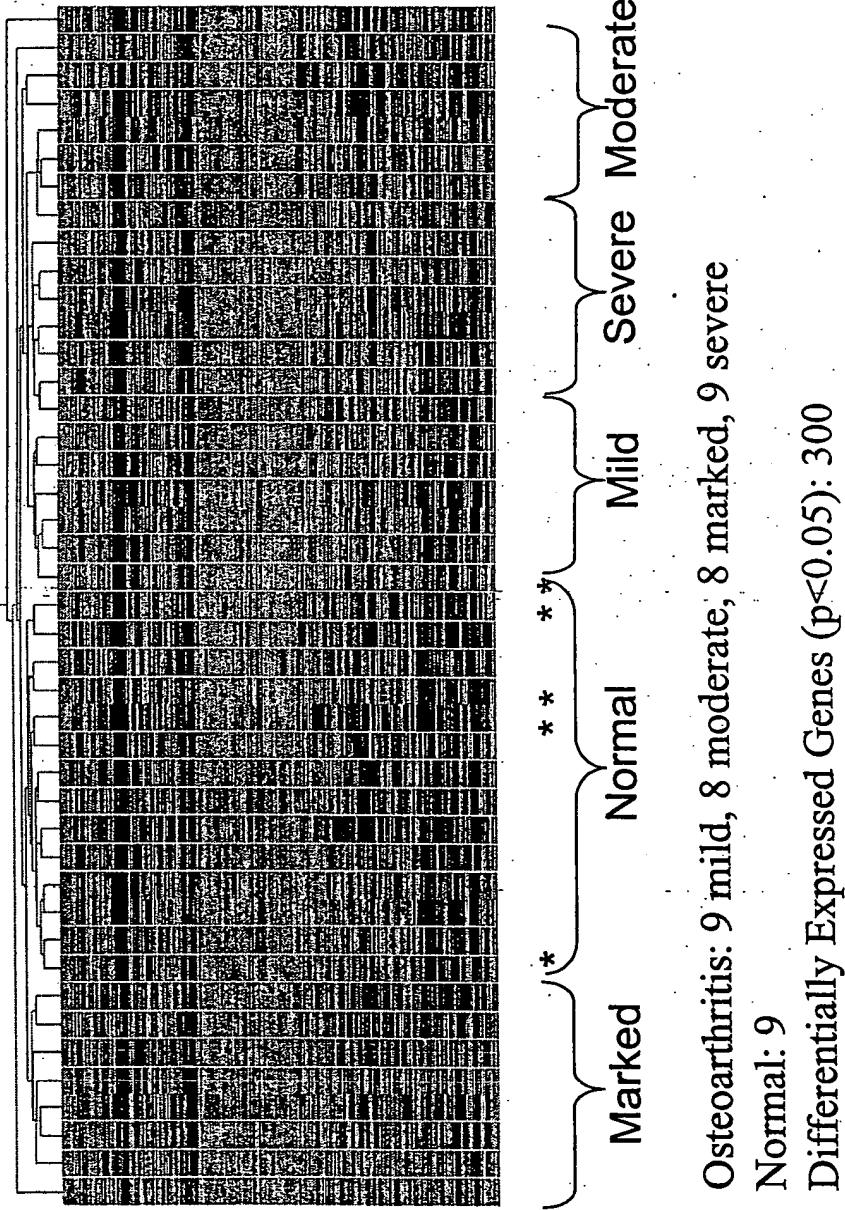
Depression: 3

Non-depression: 37

Normal: 12

Differentially Expressed Genes ( $p < 0.05$ ): 941

Figure 22  
Osteoarthritis



**Figure 23** RT-PCR of overexpressed genes in CAD peripheral blood cells identified using microarray experiments, including PBP, PF4 and F13A.

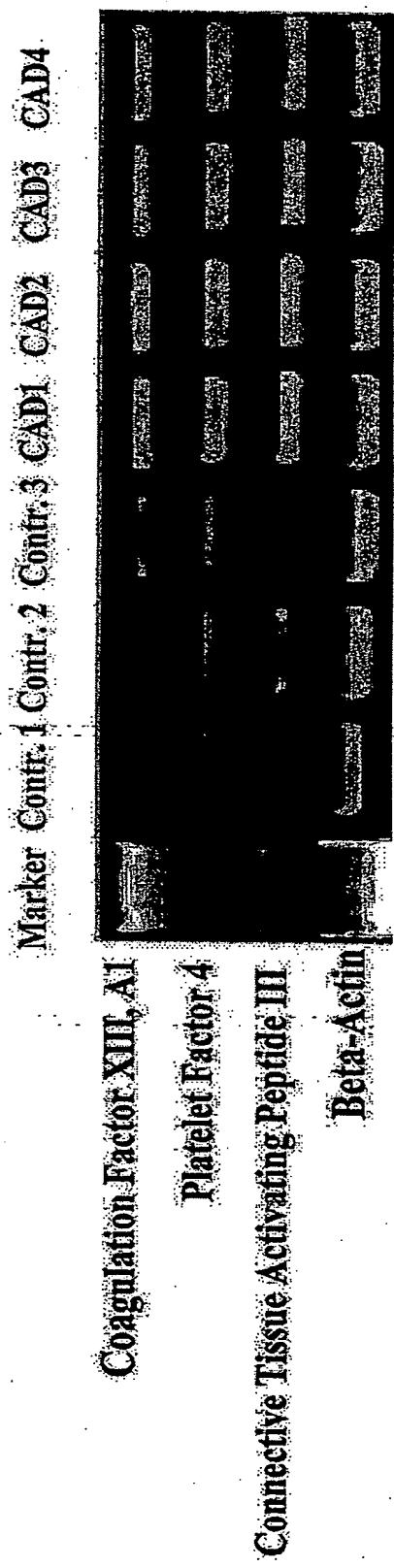
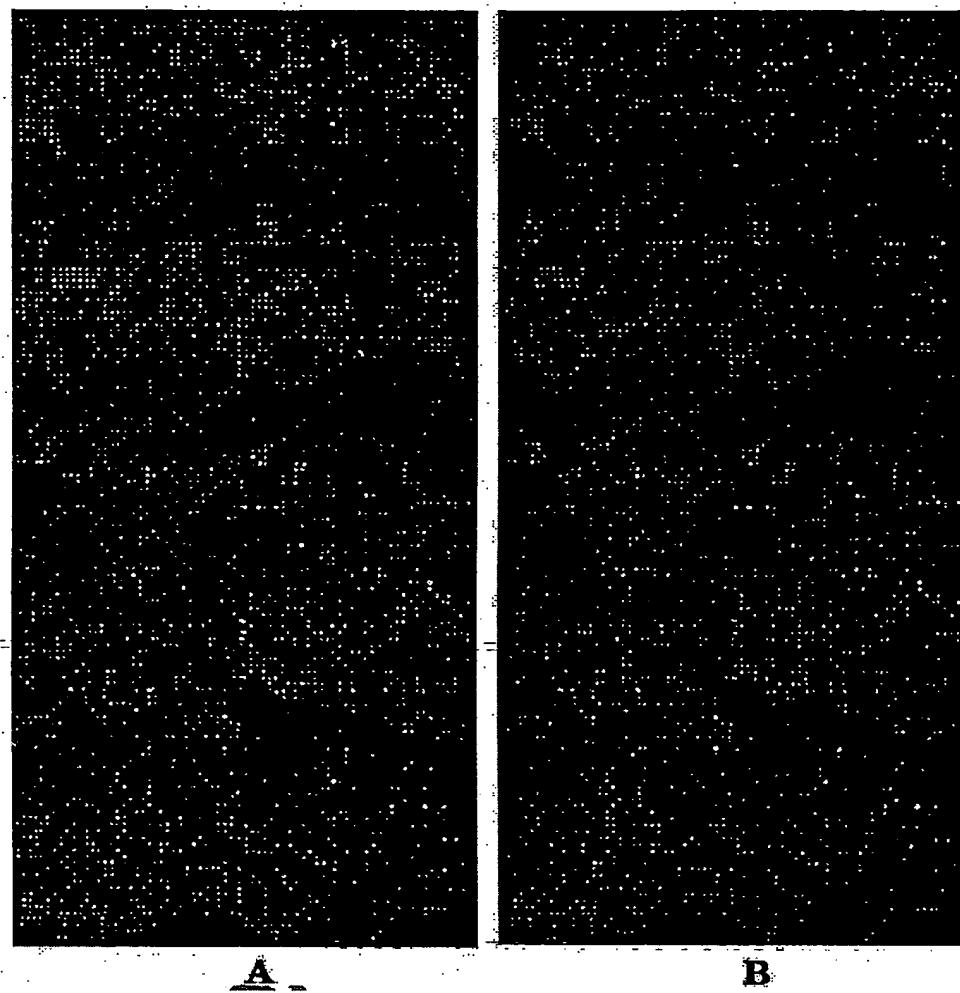
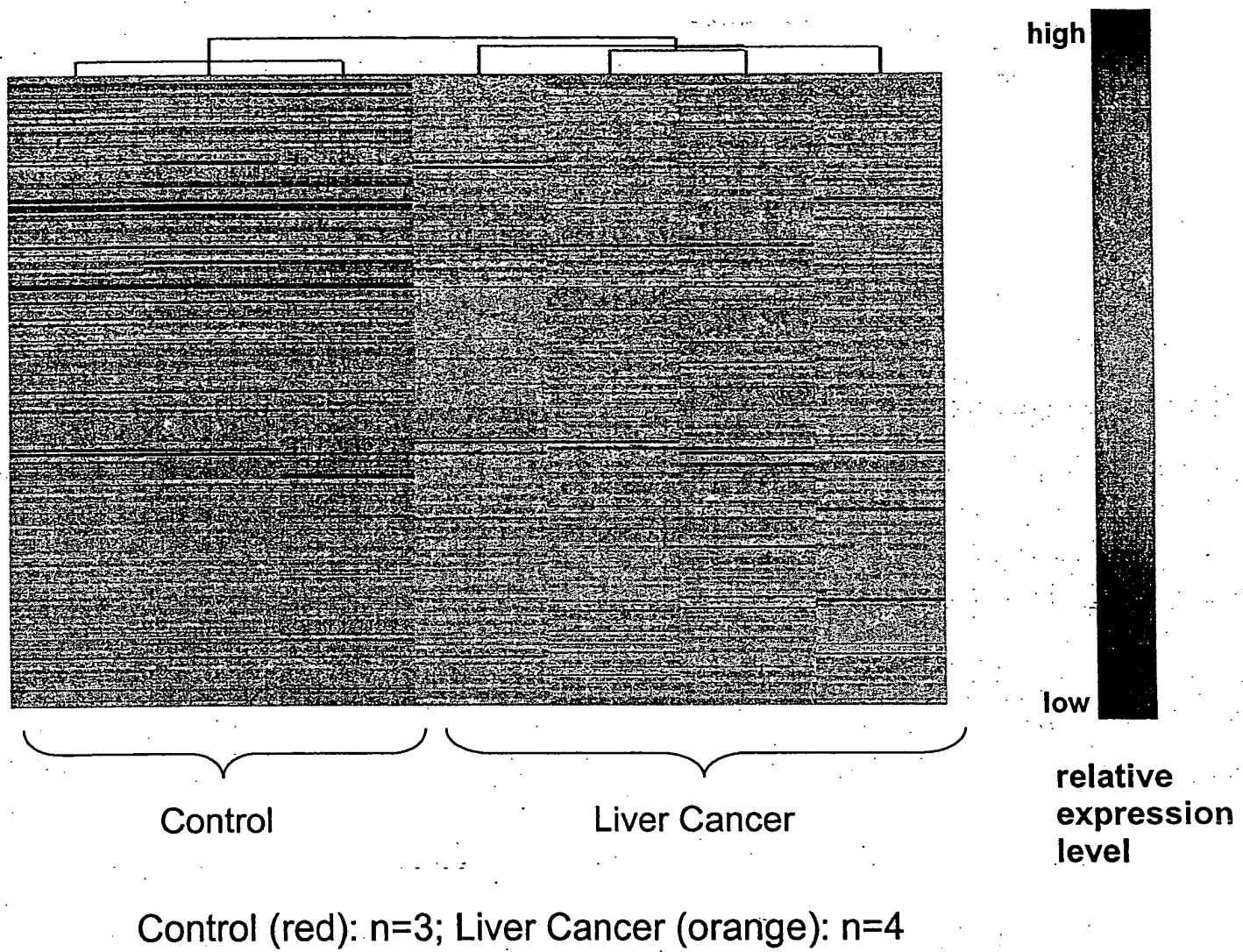


Figure 24



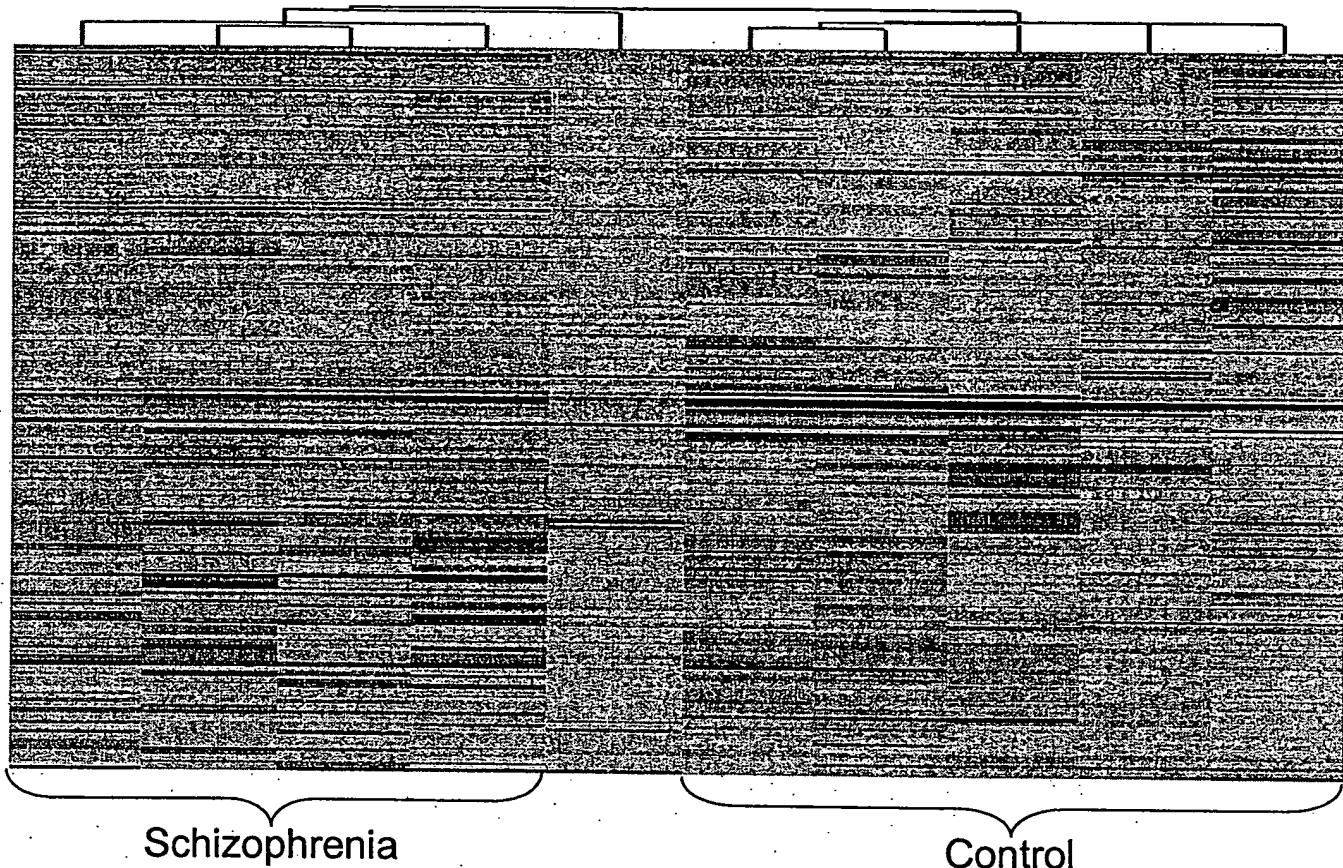
**Figure 25**

**Liver Cancer**



**Figure 26**

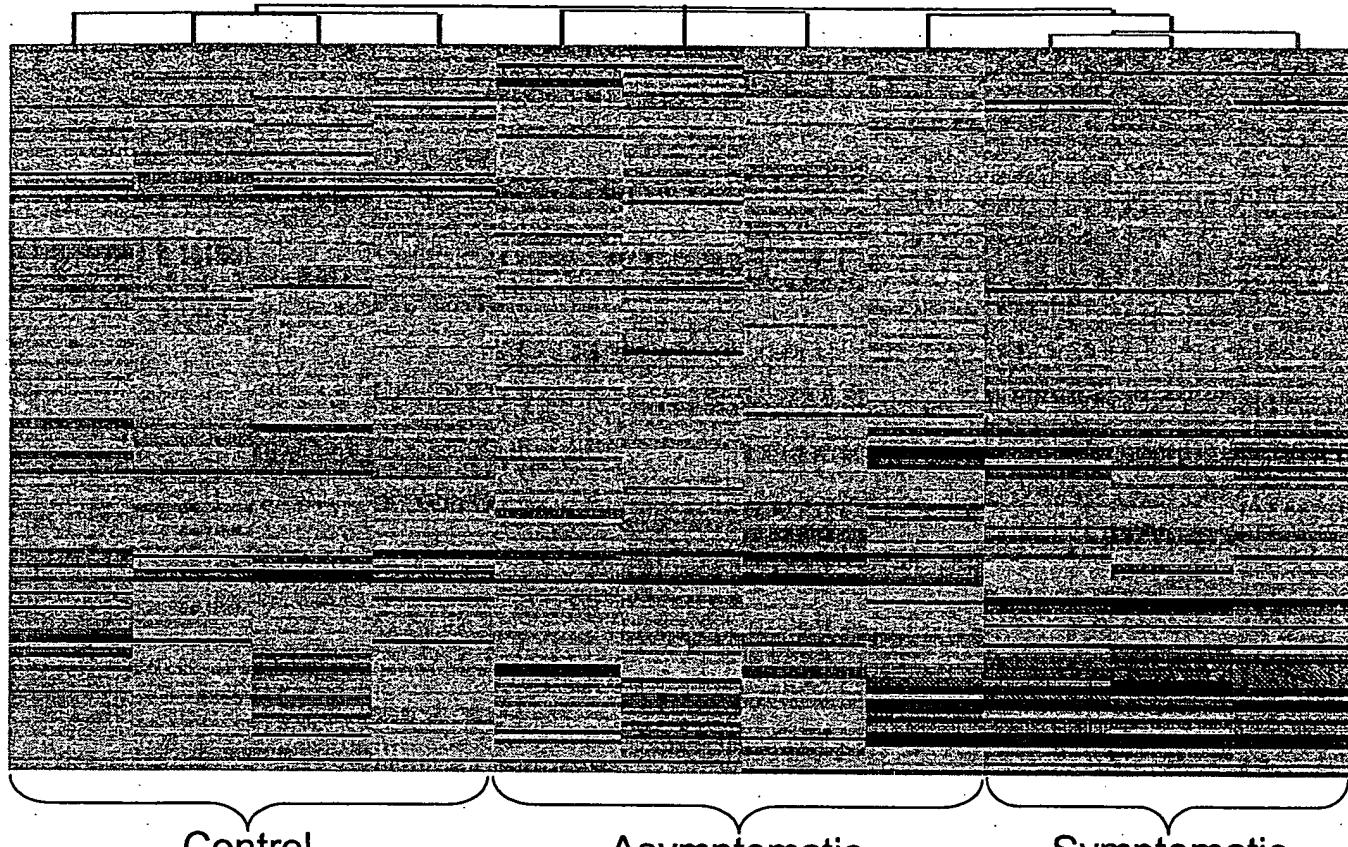
**Schizophrenia**



Control (red): n=6; Schizophrenia (orange): n=4

p<0.005  
252 genes

**Figure 27**  
**Chagas Disease**

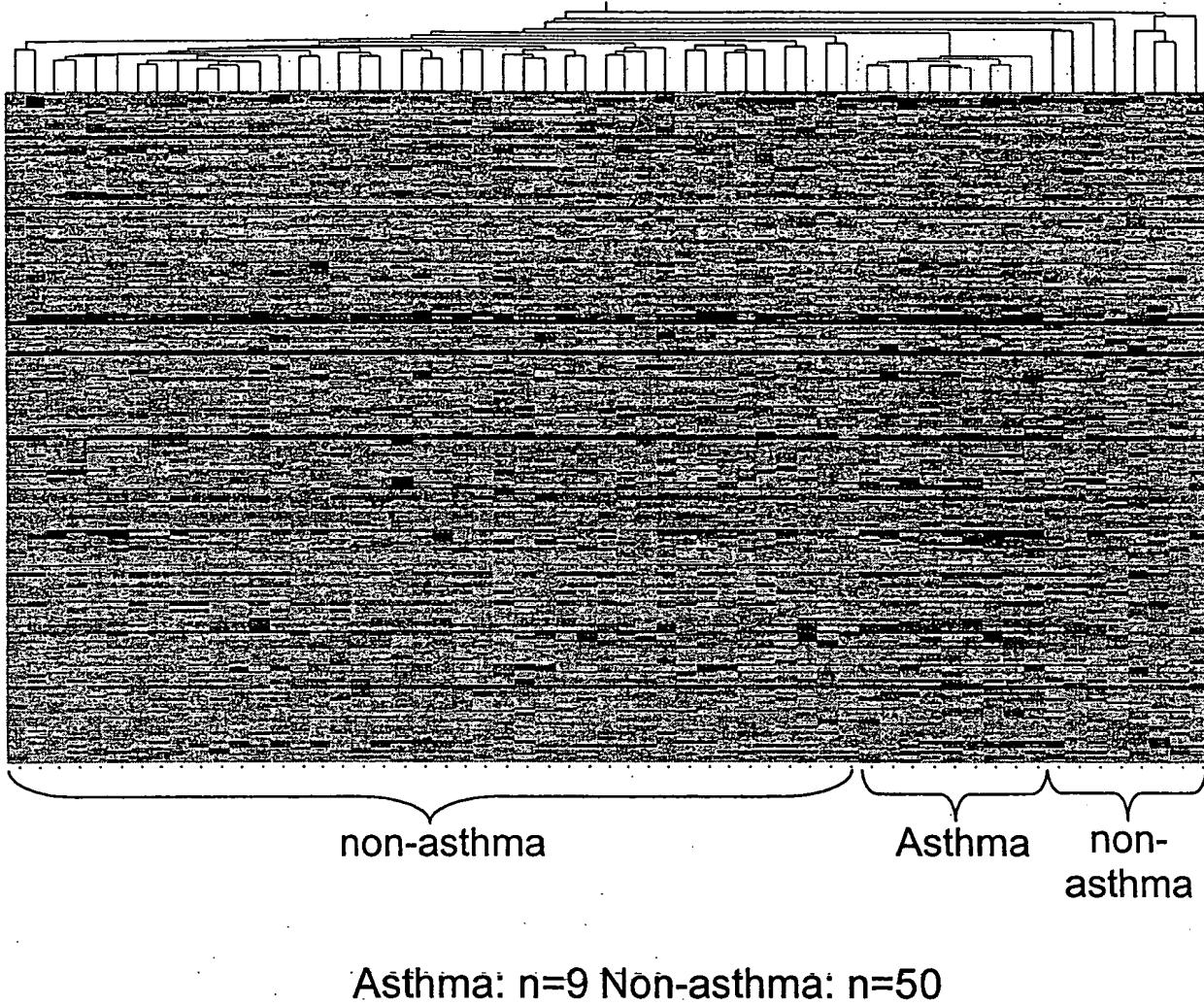


Control (orange): n=4; Chagas' asympt. (red): n=4;  
Chagas' sympt. (yellow): n=3

p<0.01  
155 genes

**Figure 28**

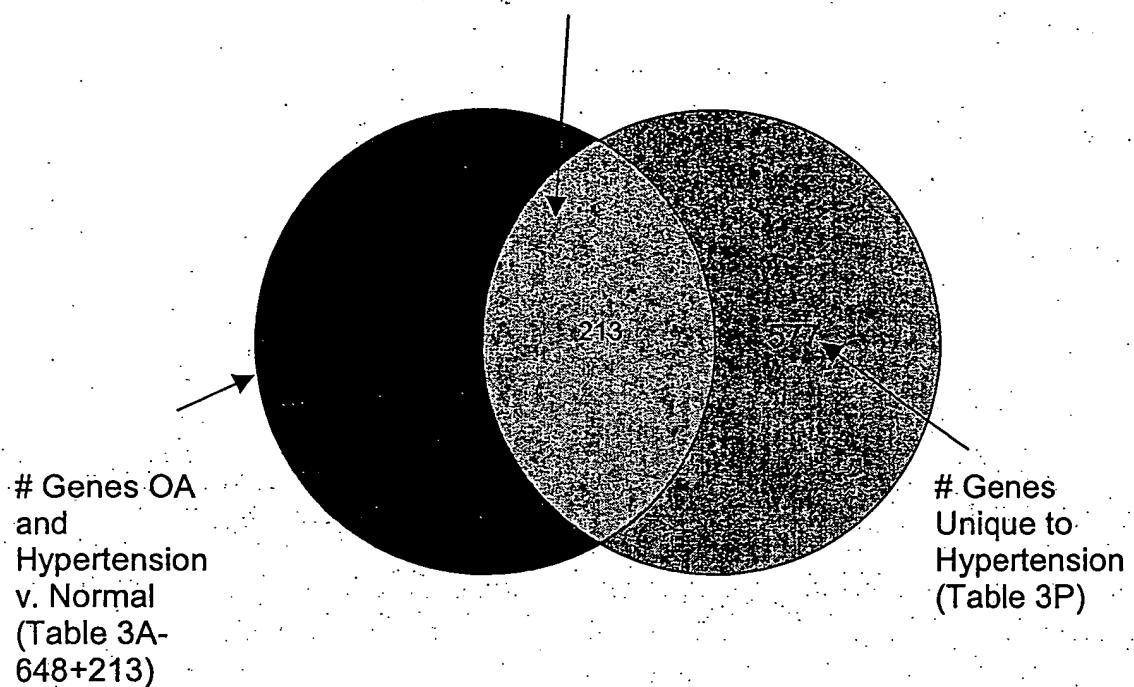
**Asthma**



$p < 0.05$   
219 genes

**Figure 29**

**Intersecting  
Genes  
(Table 3Q)**



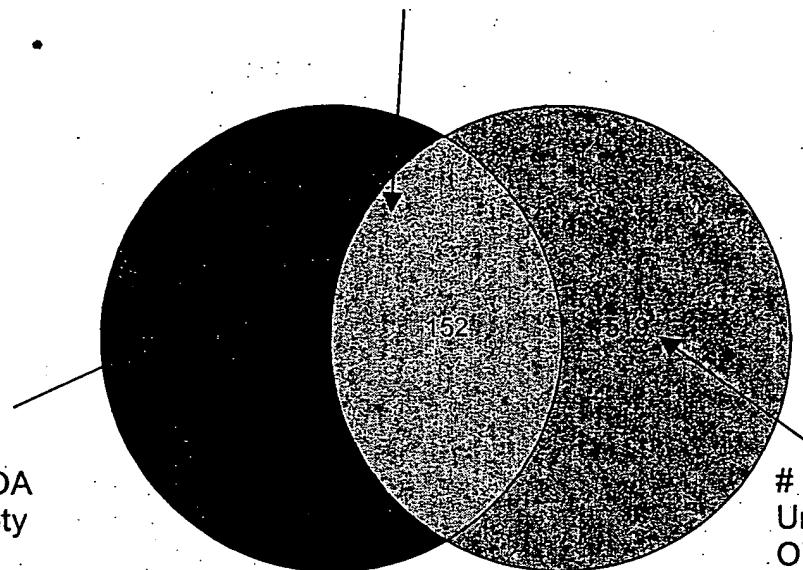
**Figure 30**

Intersecting  
Genes  
(Table 3S)

# Genes OA  
and Obesity  
v. Normal  
(Table 3B)

# Genes  
Unique to  
Obesity  
(Table 3R)

152



**Figure 31**

Intersecting  
Genes  
(Table 3U)

# Genes OA  
and Allergies  
v. Normal  
(Table 3C)

# Genes  
Unique to  
Allergies  
(Table 3T)

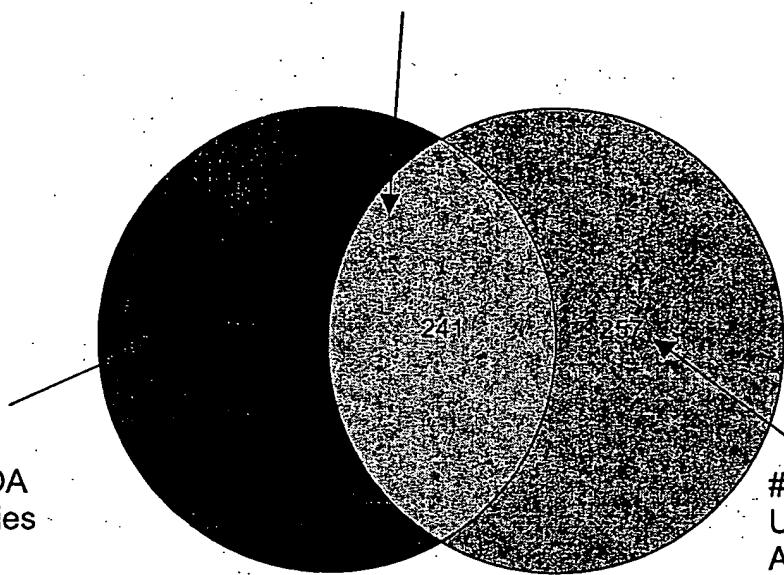


Figure 32

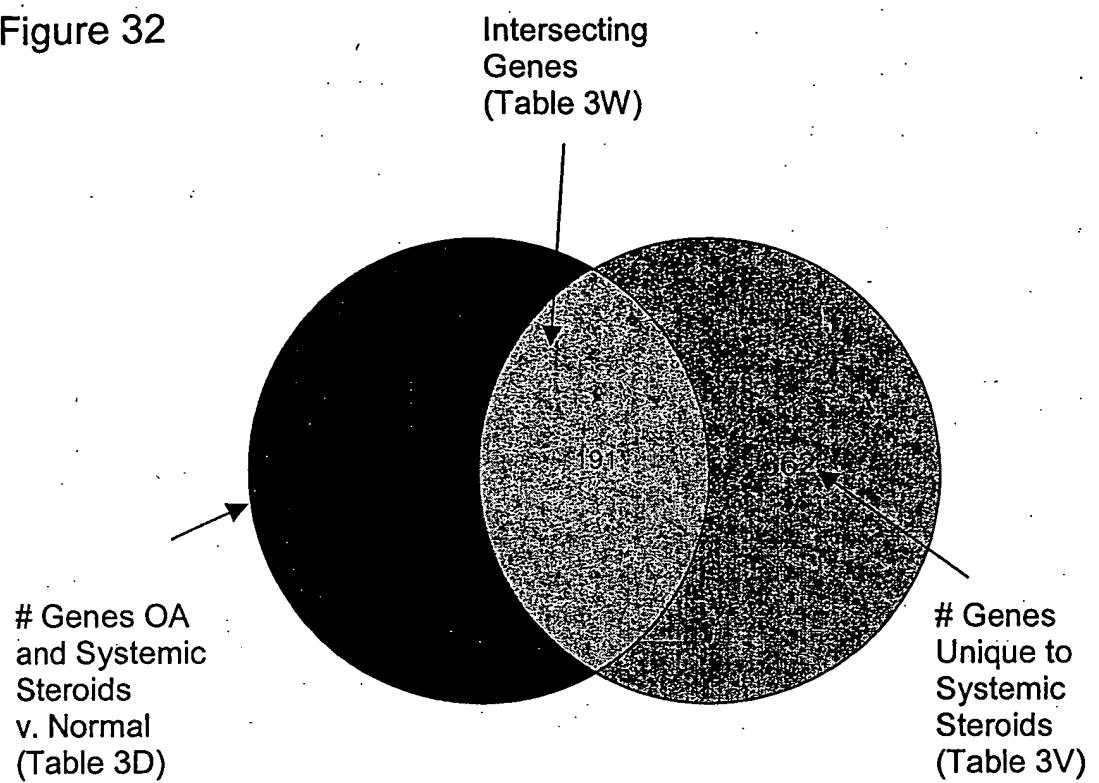
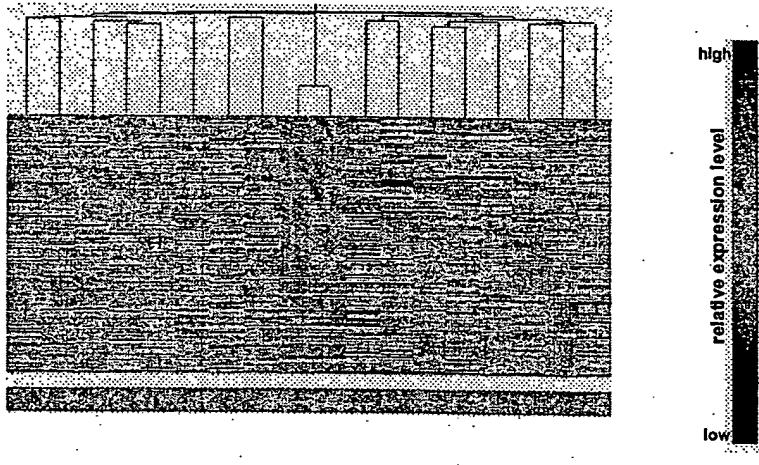


Figure 33

### Schizophrenia, Batch 2 vs. MDS

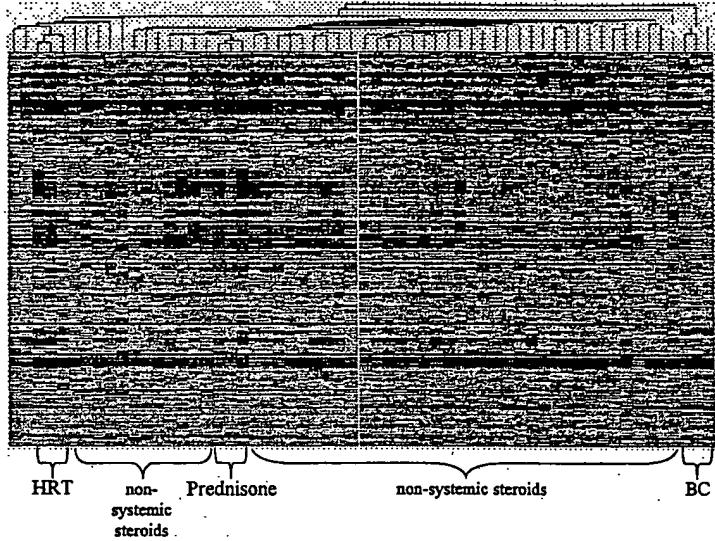


p<0.05  
294 genes

MDS = Manic Depression Syndrome

Figure 34

OA Blood Samples Co-morbidities Study: Systemic Steroid Groups  
(n=59: mild OA blood-29, severe OA blood-30)



Systemic Steroids (n=9): 3 prednisone, 3 birth control, 3 hormone replacement therapy

Non-systemic steroids: 50

Differentially Expressed Genes ( $p < 0.05$ ): 396

HRT = hormone replacement therapy; BC = birth control